

RESET 11N & 11M (June - July 2000)

Routine: Calibration at Nauru

Non-routine: Misc. maintenance, training at Manus

At Nauru: 26June – 07July 2000

At Manus: 10July – 21July 2000

Items to ship must be at ATOSS by 26May 2000 (contact Gillen at ATOSS)

RESET Team:

- Kornke
- Morrison
- Elizah (Manus only)
- Porch (Nauru only)
- MTI Garret, Pendergast (Nauru only)

Nauru tasks (11N)

1. Observer training (Morrison)
 - Review progress on Windows tutorial
 - Weather tutorial
 - MTI
2. Calibration (Porch, Kornke, Morrison) **(10 days)**
 - Instrument calibration (MWR, Ceil, MPL-not operating, T/RH, Anemometer, ORG, Zeno Loggers)
 - Instrument change out (NET, Radiometers)
 - Comparison testing (Radiometers-before/after, MFRSR-next trip)
 - Comparison of two additional PIRs
 - Comparison using 3 NIPs instead of Cavity
 - MFRSR leveling, alignment, calibration
3. **Unexpected Problem (2 days)**
4. MTI installation (Porch, Morrison) **(3 days)**
5. BBSS DCP upgrade (Morrison) **(2 days)**
6. Repair Brusag (Morrison) **(2 days)**
7. Changeout LyncSys switch (Morrison)
8. Upgrade Ceilometer CPU (Porch) **(1 day)**
9. CIMEL procedure development, review (Morrison)
10. Terminal Server expand Flash and Ram memory (Morrison)
11. Arrange for NPC to weld padlock links on inside of both gates (Morrison)
12. H₂ Generator maintenance (Australian BOM)
13. AERI Hatch hardware upgrades (Kornke)
14. Upgrade MMCR software with standard scripts (from Miller)
15. Upgrade ADaM with MMCR shutdown scripts (from Koontz)
16. Laptop upgrades, changeouts with Core configuration (Morrison)
17. Replace MWR window, power cable (Morrison)
18. Phone “manager” installation (Kornke)
19. Anemometer cable upgrade (Kornke)
20. EVE-2 fix from Wilcox? (Morrison)
21. Install U-Van dehumidifier (Kornke)

22. Switch D, E, I, U van smoke, CO alarms to "bypass" (Kornke)
23. Routine maintenance tasks (see list below)
24. Visit school (Porch, Kornke, Morrison) **(1 day)**
25. Hook up school met station (Kornke, Morrison) **(1 day)**
26. Replace CIMEL Property tag (Morrison)
27. **Baby sit site (2 days)**
28. Hand carry MMCR spare antenna window to Nauru (Morrison)
29. Audit out

Nauru Routine Maintenance Tasks:

1. Have OIC arrange Bard and Fredrich AC Unit maintenance by local personnel during visit
2. Check BBSS Antenna connections
3. Check Zeno Loggers
 - Pressure check
 - Battery changeout
4. GENSET?
5. MMCR maintenance
 - Check 12V DC fan for lotech MUX 488/64
 - Check operation of Antenna Heater Element and Blower
 - Check Radome fabric and connectors
 - Clean Receiver/modulator Interface Filters
 - Clean Computer filters (foam)
 - Clean 4mm tape drive
 - Changeout Antenna Heater filters
 - Inspect, changeout TWTA Dessicant
 - Review MMCR, MMCR rounds with Observers
6. MWR maintenance
 - Check mounting bolts
 - Replace Teflon window
 - Check fan screen for reduced air flow
 - Review MWR, MWR rounds with Observers
7. NET maintenance
 - Change out both domes
 - Review NET, NET rounds with Observers
8. Ventilator maintenance (PIR G&D, PSP G&D)
 - Check operation and screen
9. Logger box batteries
 - Check water level
10. SMET
 - Check operation of T/RH fan
 - Clean mold off T/RH probe sensing element under filter cap
 - Check Barometer Dessicant
 - Wiggle ORG mounting pipe to check for corrosion
 - Change out filter cap on T/RH probe

- Review SMET, SMET rounds with Observers
11. Solar Tracker
- Grease hinge parts of shading arm
 - Align solar tracker N/S

12. Vans

- Check Vans for rusting
- Replace smoke/CO alarm batteries
- Review Vans with Observers

Future RESET:

- Real time met data for Observers?
- Local H&S summary for Observers?
- SDL upgrade to web (awaiting reliable email hookup)
- Documents to ARCS with general information regarding power distribution (possibly)
- Topside Met Stations (not ready)
- Internet video setup (wait for reliable internet hookup)

Manus tasks (11M)

1. Train Observers (Morrison)
 - Review progress on Windows tutorial
 - WORD tutorial
2. BBSS DCP upgrade (Morrison) **(2 days)**
3. **Unexpected Problem (2 days)**
4. Laptop upgrades, changeouts with Core configuration or just take MWR IBM 600e (Morrison) **(1 day)**
5. MPL Laser diode replacement (Morrison)
6. Hook Observer PC to network (Morrison)
7. Connect new phone lines and redo phone manager (Kornke) **(1 day)**
8. Seacon connector upgrade (impulse) and label clearly with color coding (Kornke) **(2 days)**
9. DC power mods (Kornke, Elizah) **(5 days)**
 - rewire Skyrad DC power line
 - replace Skyrad power distribution box
 - Zeno loggers power system upgrade
 - Eliminate solar power system
 - Fiber data lines to 3 loggers
10. Terminal Server expand Flash and Ram memory (Morrison)
11. H₂ Generator maintenance (Aust BOM)
 - Change out all ¼" lines that are not new
12. Emergency Generator (Kornke)
 - Replace fuel gage
 - Replace oil gage
13. Upgrade MMCR software with standard scripts (from Miller)
14. Upgrade ADaM with MMCR shutdown scripts (from Koontz)
15. Grnrad stand Lighting rod installaton (Kornke, Elizah))
16. Switch D, E, I, U van smoke, CO alarms to "bypass" (Kornke).
17. Routine Maintenance Tasks (see list below)
18. Fix Sparce Station at ECOM HS (Morrison) **(1day)**
19. Baby sit site **(2 days)**
20. Audit out

Manus Routine Maintenance Tasks:

1. Have OIC arrange Bard and Fredrich AC Unit maintenance by local personnel during visit
2. Check BBSS Antenna connections
3. Check Zeno Loggers
 - Pressure check
 - Battery changeout
4. GENSET?
5. MMCR maintenance
 - Check 12V DC fan for lotech MUX 488/64
 - Check operation of Antenna Heater Element and Blower

- Check Radome fabric and connectors
 - Clean Receiver/modulator Interface Filters
 - Clean Computer filters (foam)
 - Clean 4mm tape drive
 - Changeout Antenna Heater filters
 - Inspect, changeout TWTA Dessicant
 - Review MMCR, MMCR rounds with Observers
6. MWR maintenance
- Check mounting bolts
 - Replace Teflon window
 - Check fan screen for reduced air flow
 - Review MWR, MWR rounds with Observers
7. NET maintenance
- Change out both domes
 - Review NET, NET rounds with Observers
8. Ventilator maintenance (PIR G&D, PSP G&D)
- Check operation and screen
9. Logger box batteries
- Check water level
 - Change out batteries?? (ask Kornke, Zirzow)
10. UPS Maintenance
- Test I-Van
 - Test D-Van
 - Change out batteries?? (ask Fred)
 - Review UPS with Observers
11. Vans maintenance
- Check Vans for rusting
 - Replace smoke/CO alarm batteries
 - Review Vans with Observers
12. WSI maintenance
- Check coolant flow
 - Check for cloudy coolant in lines
 - Check for corrosion, leaks
 - Check oil pump bearings
 - Replace metal screen filters in blue box
 - Review WSI, WSI rounds with Observers

Future RESET:

- Real time met data for Observers?
- Local H&S summary for Observers?
- SDL upgrade to web (awaiting reliable email hookup)
- Documents to ARCS with general information regarding power distribution (possibly)
- Topside Met Stations (not ready)

- Internet video setup (wait for reliable internet hookup)
- ACCESS upgrade prep work
- replace the MPL-HR sunshade (talk to Flynn)
- Skyrad IRT rain cover needs more investigation
- Install switch on 485 network for resetting (maybe not)